Hive and Spark Iteration

Year wise carrier delay from 2003-2010

Steps (Time in Sec)	Hive	Spark
1	7.641	0.732
2	9.538	0.622
3	6.66	0.808
4	7.946	0.643
5	7.336	0.834

Time taken for carrier delay

	1	2	3	4	5
Hive	7.641	9.538	6.66	7.946	7.336
Spark	0.732	0.622	0.808	0.643	0.834

Time taken in sec
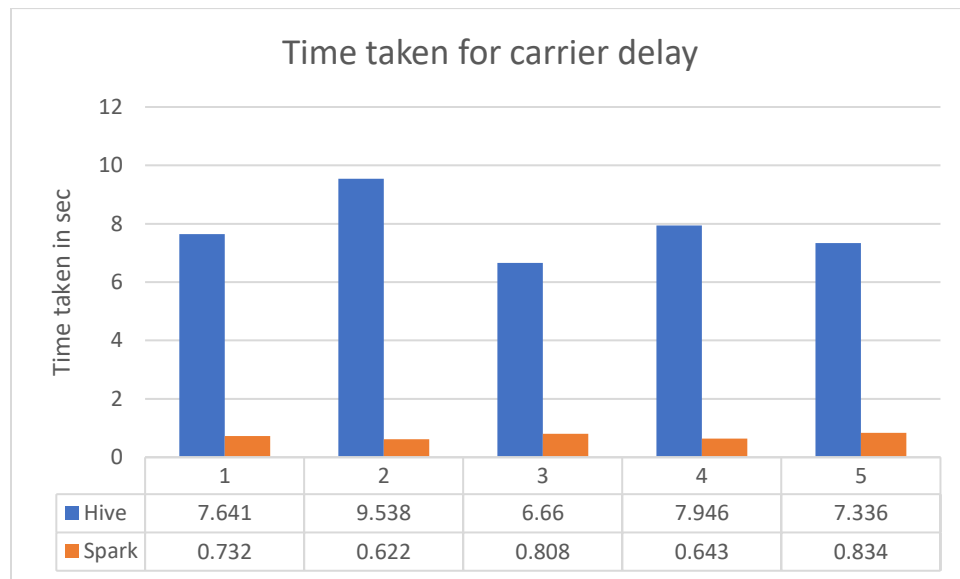
Year wise NAS delay from 2003-2010

Steps (Time in Sec)	Hive	Spark
1	7.97	0.813
2	7.716	0.764
3	7.404	0.61
4	7.203	0.815
5	7.662	0.59

Time taken for NAS delay

	1	2	3	4	5
Hive	7.97	7.716	7.404	7.203	7.662
Spark	0.813	0.764	0.61	0.815	0.59

Time taken in seconds
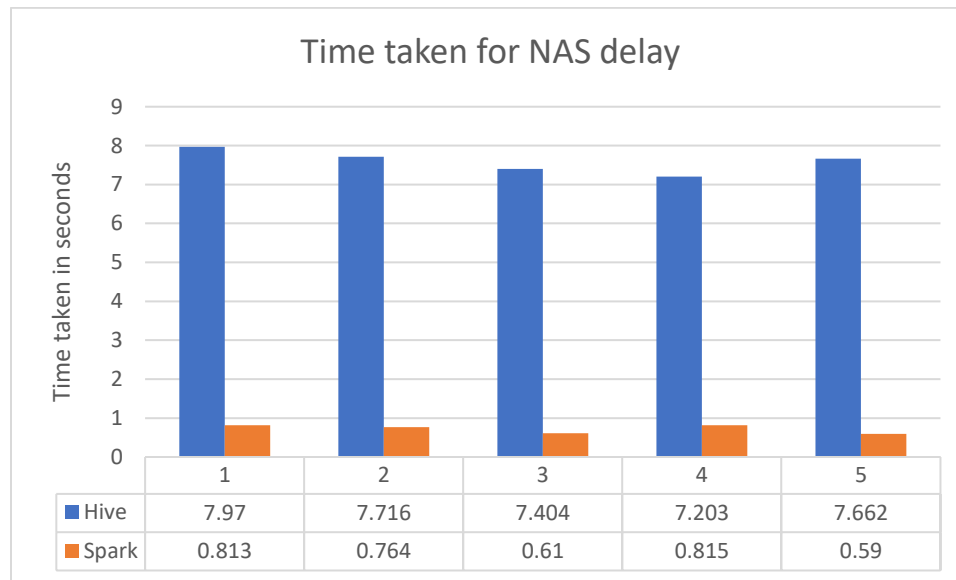
Year wise Weather delay from 2003-2010

Steps (Time in Sec)	Hive	Spark
1	6.836	0.773
2	7.646	0.689
3	6.674	0.735
4	7.865	0.743
5	7.11	0.771

Time taken in weather delay

	1	2	3	4	5
Hive	6.836	7.646	6.674	7.865	7.11
Spark	0.773	0.689	0.735	0.743	0.771

Time taken in sec
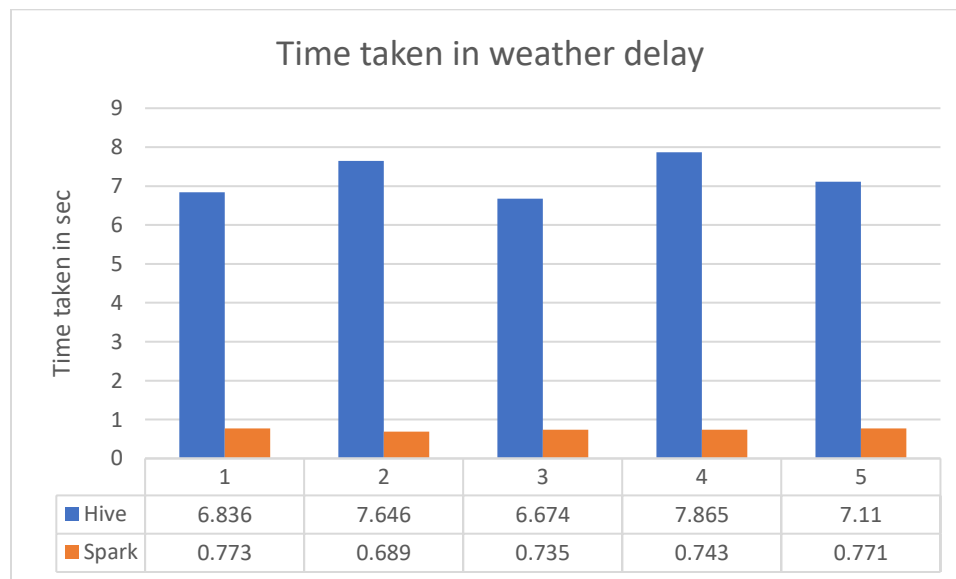
Year wise late aircraft delay from 2003-2010

Steps (Time in Sec)	Hive	Spark
1	6.992	0.589
2	7.393	0.583
3	7.645	0.611
4	7.252	0.538
5	7.036	0.727

Time Taken in late aircraft delay

	1	2	3	4	5
Hive	6.992	7.393	7.645	7.252	7.036
Spark	0.589	0.583	0.611	0.538	0.727
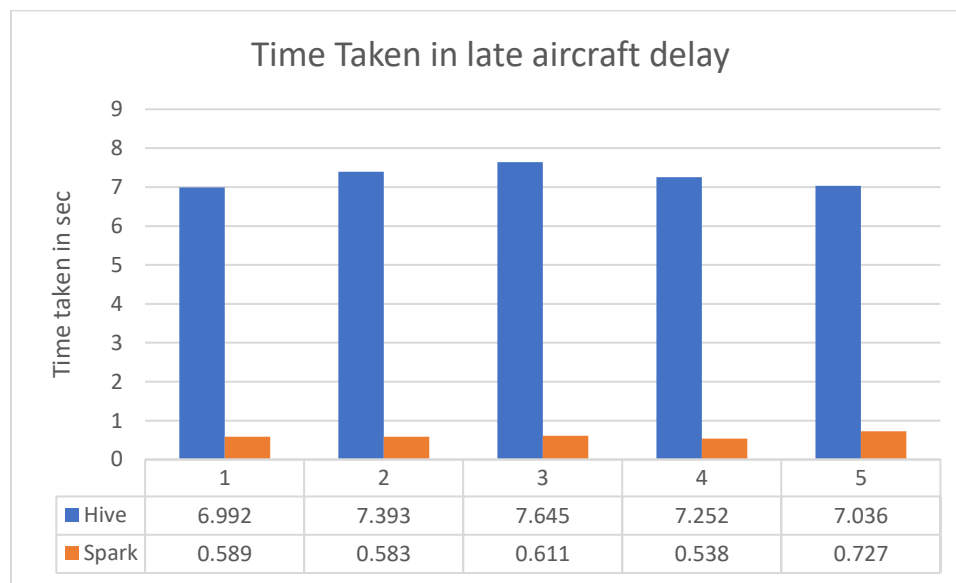
Year wise security delay from 2003-2010

Steps (Time in Sec)	Hive	Spark
1	7.674	0.476
2	7.129	0.812
3	7.505	0.714
4	7.771	0.551
5	6.649	0.755

Time taken in Security delay

	1	2	3	4	5
Hive	7.674	7.129	7.505	7.771	6.649
Spark	0.476	0.812	0.714	0.551	0.755
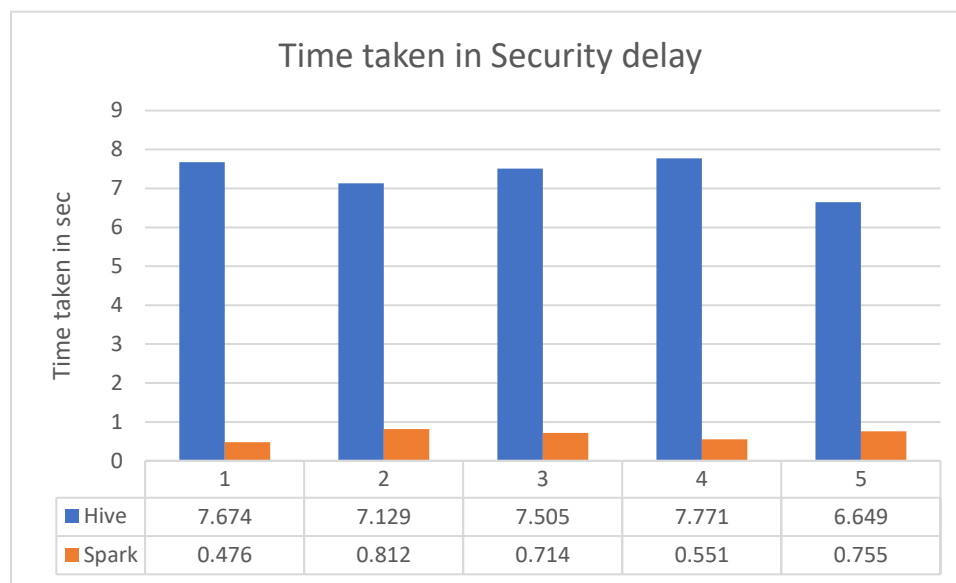
Average

Time Taken by Query (in Sec)	Hive	Spark
Carrier delay	7.8242	0.7278
NAS delay	7.591	0.7184
Weather Delay	7.2262	0.7422
Late Aircraft delay	7.2636	0.6096
Security Delay	7.3456	0.6616

Average Time Taken by Each Query

	Carrier delay	NAS delay	Weather Delay	Late Aircraft delay	Secutiry Delay
Hive	7.8242	7.591	7.2262	7.2636	7.3456
Spark	0.7278	0.7184	0.7422	0.6096	0.6616